ASPHALT FORMS

Sheet No. 1 of 1

Daily Summary of Scale Weights

Date: 7-15-96

Type of Material: Gravel Name of Road: Hebron North & South Project No.: F-81-1(1018)

Ticket No.	Truck No.	Gross Weight (Mass)	Tare Weight (Mass)	Net Weight	Remarks	✓
01	1215	16,171	9,071	7,100		X
02	1360	17,201	9,101	8,100		
03	1215	16,571	9,071	7,500		
Subtotal		49,943	27,243	22,700		
Subtotal						
Subtotal						
Subtotal						
Sheet Total						

Weight Inspector: I. M. Eagleye Project Engineer: (PM)

DR Form 29, Feb 71

TEST AND PAY FACTOR SUMMARY

PROJECT NO. PEP 34-2 (1018) DATE 7-3 & 7-9-96

LOT NO. 7 TYPE OF ASPHALTIC CONCRETE 14R

TEST NO.	STATION	LANE	LIFT	DISTANCE FROM ℄	JOB MIX NO.	TARGET	ASPHALT CONTENT	DEVIATION	AVERAGE DEVIATION	TIME: SAMPLE RECEIVED	TIME: RESULTS POSTED
	QC/QA Asphalt does not require entry here										
								PAY FACTOR			

TEST NO.	TARGET	RETAINED NO. 10	DEVIATION	AVERAGE DEVIATION
QC/QA Asphalt does not require entry here				
			PAY FACTOR	

TEST NO.	TARGET	RETAINED NO. 50	DEVIATION	AVERAGE DEVIATION
QC/QA Asphalt does not require entry here				
			PAY FACTOR	

TEST NO.	TARGET	RETAINED NO. 200	DEVIATION	AVERAGE DEVIATION
~~QC/QA Asphalt does not require entry here~~				
			PAY FACTOR	

TEST NO.	STATION	LANE	LIFT	DISTANCE FROM ℄	DENSITY	VOIDLESS DENSITY	% OF VOIDLESS	AVERAGE
31	383+76	Rt	Top	4'	2.21	2.39	92.5	
32	782+44	Lt	Top	10'	2.21	2.39	92.5	92.5
33	810+53	Lt	Top	8'	2.22	2.39	92.9	92.6
34	813+27	Lt	Top	11'	2.23	2.39	93.3	92.8
35	875+71	Lt	Top	1	2.20	2.39	92.1	92.7
							PAY FACTOR	1.00

Calculate individual test results and averages to the accuracy indicated below.

	TEST RESULT	AVERAGE
Asphalt Content	0.01%	0.01%
Retained 3/8"	0.1%	0.1%
Retained No. 4	0.1%	0.1%
Retained No. 10	0.1%	0.1%
Retained No. 50	0.1%	0.1%
Retained No. 200	0.1%	0.1%
Density, gm/cc	0.01	0.01
Percent of Voidless Density	0.1%	0.1%

Pay Factor for Lot = Asph. Content Factor x Retained No. 10 Factor x Retained No. 50 Factor x Retained No. 200 Factor x Density Factor.

Pay Factor for Lot = ... x ..... x ..... x ..... x 1.00 = 1.00

DISTRIBUTION
White - Materials & Tests Division
Yellow - District Engineer
Pink - Project Manager
Goldenrod - Quality Assurance Manager

INSPECTOR:	APPROVED: *(Project Manager)*

DR Form 173, Mar 80

THIS FORM REPLACES DR FORM 173, MAR 79, PREVIOUS EDITIONS WILL BE DESTROYED.

STATE OF NEBRASKA
DEPARTMENT OF ROADS

TRANSFER OF ASPHALTIC MATERIAL

FROM:	TO:	DATE:
(PM)	Materials & Tests Division	7-15-96

Material Originally shipped to Project ....PEP-30-6(1031)....

Type of Material - - - - - - - - - - - - - ....Asphalt Emulsion....

Refinery and Location - - - - - - - - - - ....Smoke Stack Inc., Omaha NE....

(1) Shipment Identification - - - - - - - - - ....0980-0239617178....

Original Quantity Shipped, ~~gallons~~ L - - ....270.000....

Specific Gravity, 60/60 F - - - - - - - - ....1.0207....

Distillate to 680 F, % by Volume - - - ....(If unknown, leave blank)....

Field Identification Number - - - - - - - ....NDR#1....
(if field sample taken)

The distribution of this shipment was as follows:

120,000.... ~~gallons~~ L used on Project ....PEP-30-6(1031)....

90,000.... ~~gallons~~ L used on Project ....PEP-81-1(1081)....

60,000.... ~~gallons~~ transferred to Project ....F-6-7(1030)....

.... gallons transferred to Project ....

.... gallons transferred to Project ....

270,000.... TOTAL

(1) Supplier's # goes here

....(PM Signature)....

Copies to:
Each District where Emulsion is used.

DR Form 193, Feb 72

printed on recycled paper

Template Correction should not be added. (TOP Lift Only)

NEBRASKA DEPARTMENT OF ROADS

Pavement Profile Measurements Using a California-Type Profilograph

Sheet 1 of 1

Project No.: F-81-1(1018) Begin Sta.: 698+04 Contractor: Cyclone Construction Company

Location: Hebron North & Suoth End Sta.: 745+56 Profilograph Operator(s): Tom Osborn

Surface Type: Asphalt Bump Height Specification: 0.3 Comments:

Lane: S.B. Driving Lane **Lift:**

Test Section Begin & End Stations	Profile Index, Inches per Mile						No. of Bumps		
	Run No. 1		Run No. 2		Run No. 3				
	Date (NDOR)	PI	Date (Cyclone)	PI	Date	PI	Run No. 1	Run No. 2	Run No. 3
698 + 04									
703 + 32	7/10	16.5	6/19	14.5			0	0	
703 + 32									
708 + 60	x	15.0	x	15.0			1	1	
708 + 60									
713 + 88	x	5.5	x	7.5			0	0	
713 + 88									
719 + 16	x	14.5	x	14.0			1	0	
719 + 16									
724 + 44	x	4.0	6/21	4.0			0	0	
724 + 44									
729 + 72	x	15.0	x	14.0			0	0	
729 + 72									
735 + 00	x	4.5	x	3.5			0	0	
735 + 00									
740 + 28	x	14.5	x	8.5			2	1	
740 + 28									
745 + 56	x	7.0	x	15.5			1	0	
+									
+									

Lane: S.B. Passing Lane **Lift:**

Test Section Begin & End Stations	Profile Index, ~~Inches per Mile~~ mm/Km						No. of Bumps		
	Run No. 1		Run No. 2		Run No. 3				
	Date (NDOR)	PI	Date (Cyclone)	PI	Date	PI	Run No. 1	Run No. 2	Run No. 3
+									
x +	7/10	14/5	6/19	13.5			0	0	
+									
x +	x	11.5	x	11.0			0	0	
+									
x +	x	2.5	x	2.5			0	0	
+									
x +	x	14.5	x	15.5			1	1	
+									
x +	x	3.5	6/21	2.5			0	0	
+									
x +	x	13.5	x	13.0			0	0	
+									
x +	x	5.0	x	6.5			0	0	
+									
x +	x	8.0	x	9.0			0	0	
+									
x +	x	12.5	x	12.5			0	0	
+									
+									

DR Form 194, Jan 92

STATE OF NEBRASKA

DEPARTMENT OF ROADS
ASPHALTIC CONCRETE DESIGN

PROJECT MANAGER:L.WATER
Project No.:F-81-1(1018)
Name of Road:Hebron North & South

DATE:7-11-96

Type of Asphaltic Concrete: 17

Design No.:96-2

ASPHALT CEMENT
Source:Sinclair
Grade:AC-10

GRADATION OF MATERIALS PROPOSED						SIEVE ANALYISIS(WASH)							
MATERIAL		PIT LOCATION				19.0	12.7	9.51	4.75	2.0	0.6	0.3	.075
	%	1/4	SEC	T	R	3/4"	1/2"	3/8"	#4	#10	#30	#50	#200
MA96-315 gravel	40.0	NE	8	3N	2W	100.	95.7	92.5	75.6	29.9	8.1	3.3	0.9
MA96-318 fine sand	30.0	NE	8	3N	2W				100.	97.8	59.5	24.6	3.7
MA96-316 47b	20.0	NE	8	3N	2W	100.	98.3	94.7	77.6	50.2	21.7	5.9	0.2
CR96-133 screening	10.0	Kerford						100.	92.2	60.1	32.6	24.7	16.9
COMBINED GRADATION						100.	98.0	95.9	84.9	57.3	28.1	12.4	3.2
PROPOSED GRADATION						100.	98.0	95.7	84.6	56.9	30.6	13.6	3.4
SPECIFICATION RANGE						100.	94+	8096	5288	3270	1738	1024	3/7

LABORATORY MIXES				
MIX	1	2	3	4
EBM 96-	123			
%Added	5.80			
%Extr.	5.73			

MATERIAL CRUSHED VALUE			
AGG.	CR.VALUE	%	TOTAL
CR-133	100.0	10.0	10.0
TOTAL CRUSHED VALUE			10.0

Plasticity index of material passing the #200 sieve: NR
Combined mineral aggregate samples for plasticity index are not required.

The target asphalt content is 6.00% (By weight of mix.)

This constitutes approval of the job-mix gradation and crushed value of the materials proposed by the contractor. If it is necesary to change the job mix either before or after the job starts, the contractor should notify the engineer. The target value for asphalt content will remain at or above the calculated minimum.

Remarks:LAB. MINIMUM ASPH. CONT. IS 6.00%

cc:C.McCann
CYCLONE CONSTRUCTION CO.
C.Splattstoesser
R.A.Henrichson
L.G.Watermeier
L.E.Weishahn
D.F.Mazour
File

Approved by Laird E. Weishahn
FAX (402) 479-3882

COMPUTER GENERATED

PCC PAVEMENT FORMS

C.N. #11971

CONCRETE PROPORTIONING AND CYLINDER IDENTIFICATION REPORT

Eliminates the need for this information in the field notebooks.

DISTRIBUTION
White - Green - Materials & Tests
Canary - Cylinder Identification
Pink - Project Manager
Goldenrod - District Engineer

PROJECT NO.: F-2-7(1016)
NAME OF ROAD: Neb. City Interchange
DATE: 07-02-96
CLASS OF CONCRETE: 47BD
REPORT NO.: 131

Time	Wash or Dry Test	Wt. or %	SIEVE ANALYSIS - PERCENT RETAINED													% Moisture		Quantities Used Per Batch				Water-Cement Ratio Lb./Lb.
			Dry Wt. Sample	Fine Aggregate					Dry Wt. Sample	Coarse Aggregate								Moist Weight-Aggregate		Water Added at Mixer-Lb.	Total Water Per Batch-Lb.	
				1"	No. 4	No. 10	No. 30	No. 200		1½"	1"	3/4"	3/8"	No. 4	No. 20	Fine	Coarse	Fine	Coarse			
AM	D	Wt.	1277	0	243	540	908	1273	3114	0	72	726	2030	2856	3055			(29)	(3)			
		%		0	19	42.3	91.1	99.7		0	2.3	23.3	65.2	91.7	98.1	1.4	0.3	2069	878	231	262	.398
		Wt.																				
		%				See 1987 NDR Portland Cement Concrete Guide for instructions to fill out																
		Wt.																				
		%																				
		Wt.																				
		%																				

Time	% Air		Weight Per Cu. Ft. Concrete	Weight Per Cu. Yd. Concrete	Weight Per 1 Cu. Yd. Concrete	QUANTITIES USED PER BATCH							Yield of Batch Cubic Yard	Lb. of Cement Per Cubic Yard Concrete	% of Required Cement	Corrected Weight of Dry Aggregate Per Batch (SSD)		Slump Inches
	Adj.	Meter				Cement Lb.	Fly Ash Lb.	Cement-Fly Ash Total Lb.	Dry Fine Aggregate Lb. (SSD)	Dry Coarse Aggregate Lb. (SSD)	Water Lb.	Total Lb.				Fine - Lb.	Coarse - Lb.	
6.5A	6.5	6.4	141.9	3831	3831	658	--	658	2040	875	262	3835	1.001	657.3	99.9			3½

NAME AND LOCATION OF PLANT: NBC
BRAND AND TYPE OF CEMENT: ALI
LOCATION OF CEMENT MILL: AL
CLASS AND SOURCE OF FLY ASH: --
SOURCE OF FINE AGGREGATE: F252 — 1/4 Sec. T- R-
SOURCE OF COARSE AGGREGATE: C105
AVERAGE SPECIFIC GRAVITY OF TOTAL AGGREGATE: 2.63

KIND, BRAND AND QUANTITY OF ADDITIVES PER 100 LB. CEMENT

1	MB AE90 .7447	4.902 cy	2	Procrete Prochem 1.9757	1302 cy

AIR TEMP. DURING PLACEMENT — HIGH: 82 — LOW: 73

CONTRACTOR: United Contractors
CYLINDER NUMBER: 131 AB
TIME & LOCATION CYLINDERS MADE: AM-Project

STRUCTURE	LOCATION	GROUP	CUBIC YARDS Required	Used	Wasted
Paving Section	Abut 1 @ Example				
	132T-9.33RT				
	22.08RT-34.88RT	6D	40.62	43.25	.75

CURING INFORMATION

METHOD OF CURING		MIN. TEMP. DURING CURING	DAYS CYLINDER CURED IN FIELD
WORK: White Pkg. Cure	CYLINDERS: Plastic	59	6+

PLANT INSPECTOR: R J Stutz
FIELD INSPECTOR: Larry Jobman
PROJECT MANAGER: Larry Jobman

FOR LAB USE ONLY
DATE RECEIVED: 7-9-96
LAB IDENTIFICATION: 713

AGE	TEST DATE	PSI
7	7-9	29.7
28	7-20	

DR Form 45, Mar 85

THIS FORM REPLACES DR FORM 45, MAR 82, PREVIOUS EDITIONS WILL BE DESTROYED.

DISTRIBUTION
White - Construction Engineer
Canary - District Engineer
Pink - Project Manager
Goldenrod - Field Inspector

DAILY REPORT OF CONCRETE PAVEMENT LAID

PROJECT NO.: F-81-3 (1019)
NAME OF ROAD: Norfolk South
DATE: 7-13-94
REPORT NO.: 5

CONTRACTOR: Paulsen Inc.
WEATHER: Sunny & Mild
TEMPERATURE: 70 F
CLASS OF CONCRETE: PR

PAVEMENT CONSTRUCTED IN ACCORDANCE WITH
STANDARD PLAN NO.: 30/K4 328R2
SPECIAL PLAN NO.: GC

POUNDS OF CEMENT/FLY ASH
PER CUBIC YARD: 750
PER BATCH: 5250

SIZE AND TYPE OF MIXER: 9 1/2 yd transit
CUBIC YARDS PER BATCH: 7
THICKNESS OF SLAB: 11"

STATION FROM	STATION TO	LENGTH ~~FEET~~ meter	WIDTH ~~FEET~~ x meter	SQUARE ~~YARDS~~ meter	CU. ~~YARDS~~ meter CONCRETE REQUIRED	CU. ~~YARDS~~ meter CONCRETE BATCHED	CU. ~~YARDS~~ meter* CONCRETE WASTED	CU. ~~YARDS~~ meter CONCRETE USED	PERCENT OF REQ'D. CONC. USED	WATER ADDED AT MIXER ~~(Gallons)~~ Liter	TIME LAID BEGAN	TIME LAID FINISHED	NUMBER OF BATCHES
706+89.4	707+04.9	15.5	3.38	52.44	19.11	20.0	0.50	19.50	110	525	10:45	11:15	1
707+04.9	707.24.9	20.0	3.38	67.60	24.62	25.0	0.1	24.9	109	675	1:00	1:20	1
	TODAY'S TOTAL OR AVERAGE	35.5		120.04									
	TOTALS TO DATE	35.5		120.04									

* REASON FOR WASTE:

WORK SHUT DOWN — FROM: 1130 — TO: 1230 — REASON: Water line broke

METHOD OF CURING:

INSPECTOR: NDR Inspector
APPROVED: *(Project Manager)* PM

DR Form 85, Sep 88

Note: Irregular areas to be shown by attached detailed sketch.

Sketch Attached, Yes ..... No .X...

High Density/Low Slump Concrete Nuclear Density Record

White - Final Record
Canary - Project Library
Pink - Materials & Test

DATE	PROJECT	PROJECT LOCATION	REPORT NUMBER
9-15-96	F-81-1(1081)	Hebron North and South	1

TEMPERATURE Hi:	Low:	WIND SPEED	TIME START	TIME STOP	DOWNTIME
		15 Knots	11:15	11:40	None

PERCENT AIR Truck 1	2	SLUMP: Truck 1	2	YIELD: (From Concrete Proportioning Report)	WATER-CEMENT RATIO	CYLINDER NUMBERS	CONTRACTOR
6.0	5.5	.20 mm	19 mm		0.46	3	Cyclone Construction Co

TEST NO. →									
A. Mass of Bucket and Concrete	41.16								
B. Mass of Bucket	8.50								
C. Volume of Bucket	0.01416								
D. Rodded Density $\frac{A-B}{C}$	2306 Kg/M								
E. Mass of Box and Concrete	72.1								
F. Mass of Box	28.7								
G. Volume of Box	0.01867								
H. Density of Concrete $\frac{E-F}{G}$	2323.9								
I. Nuclear Density Gauge Density of Box	2322.0								
J. Density Offset H - I	1.9								
K. Station	100+00	100+05	100+10						
L. Rt. or Lt. and Distance from ℄	1.2 m	4 m	2.2 m						
M. Depth of Concrete at Test Site	75 mm	87 m	80 mm						
N. In Place Density	2221	2224	2322						
O. % of Rodded Density = $\frac{N \times 100}{D}$	100.6	100.7	100.7						

MIXER	1			MIXER	NA		
AEA	-	STONE	-	AEA		STONE	
RETARDER	-	SAND	-	RETARDER		SAND	
WATER	-	RPM's	25	WATER		RPM's	

SERIAL NUMBER OF NUCLEAR DENSITY GAUGE: J37 31 S1

A Field Book Record of data recorded on lines "A" thru "O" is not required.

INSPECTOR: Construction

DR Form 478, Jun 96

THIS FORM REPLACES DR FORM 478, MAY 91.
PREVIOUS EDITIONS WILL BE DESTROYED

printed on recycled paper

BRIDGES, CULVERT & RELATED STRUCTURE FORMS

(OPTIONAL)

STATE OF NEBRASKA
DEPARTMENT OF ROADS

DRIVEWAY DRAINAGE STRUCTURES

(Grading Item)
FINAL QUANTITIES

Project No. F-81-1(1018)

Sheet No. 1 of 10

STATION	OLD STRUCTURE	NEW STRUCTURE	PIPE CULVERTS: DRIVEWAY CULVERT PIPE 24"	30"	36"	42"	48"	SALVAGE REMOVAL OF EXISTING DRIVEWAY CULVERT PIPE
698+04	CMP	CMP	15 m					
	600 mm x 15 m	(See plans for construction						
		details)						
	(See notes on							
	plans for dis-							
	position of old)							
	(Don't need this							
	form if you have							
	this information							
	summarized in the							
	field book.)							
	TOTALS		15					

DATE: 7-15-96 | CHECKED BY: Construction Tech or PM | DATE: 7-22-96

DR Form 24, Jun 76

2070

STATE OF NEBRASKA
DEPARTMENT OF ROADS

PILE RECORD

Distribution of Copies
White - Lincoln Office
Canary - Lincoln Office
Pink - District Engineer
Goldenrod - Project Manager

DESCRIPTION OF STRUCTURE:	TYPE AND SIZE OF PILE:	PROJECT NO.:
PRESTRESSED CONC. BRIDGE	12" x 33" CAST IN PLACE	BRF -64-7 (111)
STATE ROAD:	TYPE OF HAMMER:	STATION:
VALLEY WEST HWY 64	LINK BELT 520	139 + 61
COUNTY:	WEIGHT OF STRIKING PARTS:	ABUT. NO.:
DOUGLAS & SAUNDERS	5070 Lbs.	4
CONTRACTOR:	WEIGHT OF DRIVING CAP:	PIER OR BENT NO.:
KLAASMEYER	1415 Lbs.	

Pile Number	Original Length (Ft.)	Additional Length (Ft.)	Order Length (Ft.)	Revised Order Length (Ft.)	Length in Place (Ft.)	Pay Length (Ft.)	Pay Cut-Off (Ft.)	Non-Pay Cut-Off (Ft.)	Pay Splices	Penetration Below Ground (C.O) (Ft.)	Date Driven	Energy Ft-Tons	Average Penetration of Pile (Inches per Blow)	Calculated Bearing Power (Tons)	Weight of Pile
1B	58.8		60		57.3	57.3	1.5			57.3	1-15-96	13.13	.2	78.4	1940
2B	61		60		57.3	57.3	2.7	1.0		57.3	1-15-96	13.13	.15	94.1	2013
3B	59		60		57.9	57.9	1.1			57.9	1-15-96	13.13	.175	85.6	1947
4B	60.7		60		57.3	57.3	2.7	0.7		57.3	1-15-96	13.13	.15	94.1	2003
5B	58.6		60		58.3	58.3	0.3			58.3	1-15-96	13.13	.175	85.6	1934
6B	61		60		58.3	58.3	1.7	1.0		58.3	1-15-96	13.13	.125	104.6	2013
7B	58.9		60		58.3	58.3	0.6			58.3	1-15-96	13.13	.125	104.6	1944
8B	60.7		60		58.2	58.2	1.8	0.7		58.2	1-15-96	13.13	.15	94.1	2003
9B	59.3		60		57.9	57.9	1.4			57.9	1-15-96	13.13	.15	94.1	1957
10B	60.8		60		58.3	58.3	1.7	0.8		58.3	1-15-96	13.13	.15	94.1	2006
11	59		60		57.2	57.2	1.8			57.2	1-15-96	13.13	.075	134.4	1947
12	60.7		60		58.2	58.2	1.8	0.7		58.2	1-15-96	13.13	.075	134.4	2003
13	58.4		60		58.1	58.1	0.3			58.1	1-15-96	13.13	.138	99.1	1927
14	61		60		57.7	57.7	2.3	1.0		57.7	1-15-96	13.13	.075	134.4	2013
15	60.9		60		56.6	56.6	3.4	0.9		56.6	1-15-96	13.13	.125	104.6	2010
16	60.8		60		57.1	57.1	2.9	0.8		57.1	1-15-96	13.13	.15	94.1	2006
17	58.6		60		56.6	56.6	2.0			56.6	1-12-96	13.13	.15	94.1	1934
18	58.7		60		58.3	58.3	0.4			58.3	1-15-96	13.13	.088	125.5	1937
19	60.7		60		60.0	60.0		0.7		60.0	1-15-96	13.13	.15	94.1	2003

Pile Number	Original Length (Ft.)	Length in Place (Ft.)	Penetration Below Ground (C.O.) (Ft.)	Energy Ft-Tons	Average Penetration of Pile (Inches per Blow)	Calculated Bearing Power (Tons)
14	61	25	25	7.75	.75	16.4
14	61	30	30	9.25	.65	22.2
14	61	35	35	9.25	.65	22.2
14	61	40	40	11	.425	37.7
14	61	45	45	11.5	.4	41.4
14	61	50	50	10.75	.7	24.2
14	61	55	55	12.25	.25	63.0
14	61	56	56	13.13	.25	67.2
14	61	57	57	13.13	.138	99.1
14	61	57.7	57.7	13.13	.075	134.4

DESIGN CAPACITY: 52 Tons per Pile

MINIMUM PENETRATION REQUIRED: 56 Feet

AVERAGE BEARING POWER: 102.3 Tons per Pile

EFFICIENCY: 196.79 Per Cent

INSPECTOR:

DATE: 1-16-96

REMARKS:

DR Form 97, Jul 80

THIS FORM REPLACES DR FORM 97, OCT 70
PREVIOUS EDITIONS WILL BE DESTROYED.

Reinforcing Steel Sample Identification Report

NAME OF MATERIAL	FIELD I.D.	LAB REPORT NO.
Epoxy Coated Reinforcing Steel		2

COUNTY	PROJECT NO.
Sarpy	TMT-77(29)
DATE SAMPLED	**CONTROL NO.**
4-17-96	21593
SAMPLE TAKEN FROM	**NAME OF ROAD**
Contractor Supplied	LaVista West

MATERIAL FOR USE IN: *(Type of work or kind of structure)*
Abutments & Piers, Superstructure

LOCATION TO BE USED: *(Station or other information)*
Sta. 83+04.75, RT, E, LT

SAMPLED BY	TITLE	ADDRESS
Douglas N. Bock	Proj. Mgr.	8611 Blondo St., Omaha, NE
REPORT TO BE SENT TO	**TITLE**	**ADDRESS**
Chuck Riesen	State Proj. Mgr.	
PRIME CONTRACTOR	**CONTRACTOR NO.**	**ADDRESS**
Cyclone Construction Co.		

BAR SIZE (Eng)	WEIGHT ~~POUNDS~~ kg	GRADE	MANUFACTURER	HEAT NUMBER	CERTIFICATIONS	
					ATTACHED	PREVIOUSLY SUBMITTED
9	6,029		North Star	NS/S16794	X	
6	461		North Star	NS/S15937	X	

OTHER INFORMATION

TO BE FILLED IN AT LABORATORY

Date received at Laboratory 4-25-96

Laboratory Identification .....

SUBMITTED BY	TITLE	ADDRESS
Jim Paillot	Insp. Sides Assoc., Inc.	Omaha, NE

DR Form 175, Sep 94

printed on recycled paper

Duane Emerson
464 5145

REPORT OF SHIPMENT OF PRESTRESSED AND/OR PRECAST CONCRETE UNITS FROM TESTED STOCK

Copies to:
Engineer of Materials and Tests
Plant Coordinator

MANUFACTURED BY:	ADDRESS:
Wilson Concrete (1)	Bellevue, NE
DATE SHIPPED:	**PROJECT:**
7-15-96	BRF-64-7(111)
SHIPPED TO:	**LOCATION:**
District - 2	Valley West Hwy 64
UNIT TYPE:	**BRIDGE STATION:**
Prestressed Concrete Bridge	139 + 61

IDENTIFICATION MARK	SIZE OR LOCATION	IDENTIFICATION MARK	SIZE OR LOCATION
NDR	(2)		
(1) Either Contracted Supplier or Prestress/Precast Plant.	NDR		
(2) Size of unit, usually length.			

The above units were shipped from approved stock. The cement, aggregate and all steel reinforcement (prestressing strand, cold-drawn steel wire, reinforcing steel, etc.) used in the units comply with the requirements of the specifications and are covered by test reports.

The units may be used when received on the project providing that a field inspection shows that they carry the proper identification taken from the accompaning DR Form 214 and have not been damaged by handling or shipping.

	SIGNED: (Wilson Concrete ReP)	
DIVISION ENGINEER: DE	TITLE:	PHONE:
PROJECT ENGINEER: (PM)	ADDRESS: U.S. 75 Bellevue, NE	

DR Form 214, Oct 72

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62
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STATE OF NEBRASKA
DEPARTMENT OF ROADS
DATA PROCESSING DIVISION

GIRDER SHIMS

FOR GIRDERS WITH ℄ ON CIRCULAR CURVE OR STRAIGHT LINE

FORM 1 OF 2

	IDENT.				PROB NO.		P.I. STATION							P.I. ELEVATION						LENGTH V.C. (FT.)		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
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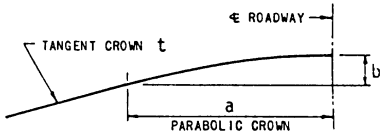
2	2										+															
2	2										+															
2	2										+															

NOTES:

P.I. STATIONS NOT USED MUST BE LEFT BLANK AND UNPUNCHED.
P.C. STATION AND P.T. STATION MUST BE LEFT BLANK AND UNPUNCHED IF ONLY STRAIGHT ROADWAY IS INVOLVED.
TRANSITION DATA MUST BE LEFT BLANK AND UNPUNCHED IF NO SUPERELEVATION IS INVOLVED.
USE "X" ABOVE CROSS HATCHED BOXES TO INDICATE SITUATION.

DASHED LINES INDICATE DECIMAL POINTS.



CROWN TEMPLATE

	IDENT.				PROB NO.		STATION A, BASELINE INTERSECTS ℄ PROJECT							STATION B, BASELINE INTERSECTS ℄ PROJECT							CONTROL DISTANCE (FT.)					SKEW ANGLE			SKEW		DEGREE CURVE			DIRECTION OF CURVE		MAX. CROWN CORRECTION (IN.)		ROAD SUPER ELEVATED?		a	b		t	
																									DEG.	MIN.	SEC.	RHB	LHB	DEG.	MIN.	SEC.	LT.	RT.			YES	NO	FEET	INCHES		INCHES/FOOT	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72
2	3								+										+																		1		1								1		1						1		1													

	IDENT				PROB NO		P.C. STATION							P.T. STATION							TRANSITION FROM NORMAL CROWN TO SUPER ELEV.								TRANSITION FROM SUPER ELEV. TO NORMAL CROWN								RATE OF SUPER ELEVATION (IN.)				EXTERIOR ROADWAY ℄ RISE (IN.)					
																					BEGINNING STATION							ENDING STATION							BEGINNING STATION							ENDING STATION																									
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67
2	4								+										+																																																									

7/17/70

	SPAN NO.	L' IN FEET					L IN FEET							L" IN FEET					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
2	5	0	1																			
2	5	0	2																			
2	5	0	3																			
2	5	0	4																			
2	5	0	5																			

	SPAN NO.	L' IN FEET					L IN FEET							L" IN FEET					
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2	5	0	7																			
2	5	0	8																			
2	5	0	9																			
2	5	1	0																			

	SPAN NO.	L' IN FEET					L IN FEET							L" IN FEET					
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2	5	1	2																			
2	5	1	3																			
2	5	1	4																			
2	5	1	5																			

RDP Form 50,Sep 78

GIRDER SHIMS FOR GIRDERS WITH ℄ ON CIRCULAR CURVE OR STRAIGHT LINE SHEET 2 of 2

	IDENT.	PROB. NO.	GIRD. NO.	DIST. ℄ PROJECT TO ℄ ROADWAY (Feet)	℄ PROJ. TO ℄ RDWY. LT.	℄ PROJ. TO ℄ RDWY. RT.	e (Feet)	e FROM BASELINE LT.	e FROM BASELINE RT.	H.I. ELEVATION (Feet)
1 2	3 4 5 6	7 8	9 10	11 12 13 14 15 16 17	18 19	20 21	22 23 24 25 26 27 28	29 30	31 32	33 34 35 36 37 38
26					1	1		1	1	

	ROD READING (Feet)	DISTANCE (Feet)
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RDP Form 50a, Sep 78

	IDENT.	PROB. NO.	GIRD. NO.	DIST. ℄ PROJECT TO ℄ ROADWAY (Feet)	℄ PROJ. TO ℄ RDWY. LT.	℄ PROJ. TO ℄ RDWY. RT.	e (Feet)	e FROM BASELINE LT.	e FROM BASELINE RT.	H.I. ELEVATION (Feet)
1 2	3 4 5 6	7 8	9 10	11 12 13 14 15 16 17	18 19	20 21	22 23 24 25 26 27 28	29 30	31 32	33 34 35 36 37 38
26					1	1		1	1	

	ROD READING (Feet)	DISTANCE (Feet)
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	ROD READING (Feet)	DISTANCE (Feet)
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FORM NO. DPU SHIMS 1-2

Printed on recycled paper

ROADSIDE DEVELOPMENT FORMS

Project Seeding Record

(First and last day reporting only-
Send to Roadside Development)

For: [x] Seeding
[ ] Slope Protection
[ ] Erosion Control

Project No.: F-81-1(1018)

Contractor doing the work: Green Thumbs Nurseries

Start Date: 6-2-96 Finish Date: 6-30-96

Fertilizer supplied by: DeHass & Sons

Analysis or brands: 16-480 & 37-0-0 bland

Equipment for:

Fertilizing Bulk Spread

Seeding Drill

Mulching

Crimping Bale Buster

Comments about the contractor or project: - Concerns how job progressed.

DR Form 61, Jun 92

(This form is filled out by the Fertilizer Supply Co and given to the PM)

FERTILIZER CERTIFICATION

(For Bulk Shipments of Fertilizer for Use on Nebraska Department of Roads' Projects)

NOTE: *Original and one (1) copy of this form must accompany each load or shipment.*

Fertilizer covered by this certification was delivered to or picked up by:

.....
(Name of Person or Firm that will use fertilizer)

.....
(Business Address of User)

Destination of Shipment .....

Quantity ..... Pounds

Identification of Load or Shipment (Weight Ticket No.) .....

Date of Delivery or Pick-up .....

Name and Address of Person Guaranteeing the Fertilizer: .....

.....

.....

Brand of Fertilizer: .....

Grade of Fertilizer: .....
(Type - e.g., Ammonium Nitrate, Urea-Formaldehyde)

Guaranteed Analysis of Fertilizer: Total Nitrogen ..... Percent

Available Phosphoric Acid (P_2O_5) ..... Percent

Soluble Potash (K_2O) ..... Percent

This is to certify that this brand and grade of fertilizer is registered with the Nebraska Department of Agriculture and Inspection and complies with the provisions of the State of Nebraska Fertilizer Act of 1955, with subsequent amendments and revisions thereto.

Dealer .....

By .....

Title .....

Date .....

Distribution by Project Engineer:
Original - Project Engineer
Copy - Materials & Tests

DR Form 125, Feb 71

printed on recycled paper

INCIDENTAL CONSTRUCTION FORMS

STATE OF NEBRASKA
DEPARTMENT OF ROADS

OPERATION AND EQUIPMENT RENTAL AGREEMENT

NOTE: All copies to be mailed to the Lincoln Maintenance Division for approval before work is started.

District 2 Highway I-80/F-81-1(1080) Reference Posts 425 to 435

This agreement made and entered into on the 6th day of August 1996 by and between the State of Nebraska Department of Roads and Cyclone Cosntruction Company is for the purpose of fixing certain rates for equipment rental or work operations as itemized and described below:

TYPE OF EQUIPEMNT	MAKE & MODEL	RATE PER HOUR WHILE IN OPERATION
Loader	Kobelco TLK 750	$31.00/hr
Compactor, Self Propelled, Tandem Vibrator	Case 752B	55.00/hr

The Cyclone Construction Company (State or Owner) will furnish all fuel, oil and grease for said equipment or operation and will [X] or will not [ ] pay the salaries of the equipment operators or the employees performing the operation.

All labor and repairs necessary for repairing rented equipment will be furnished by the owner without cost to the State. Payment for rental will be made in the regular manner by the State receipt and voucher.

The owner agrees to furnish satisfactory proof that the vehicle or vehicles herein described by this rental agreement are insured in conformity with the requirement and amounts as set forth in Section 60-509, Revised Statutes, Re-issue of 1960.

The approximate date of rental will start August 6 1996 and finish August 20 1996.

Cyclone Construction Company
Organization or Owner

BY: John D. Owner

DEPARTMENT OF ROADS

(DE)
District Engineer

(ME)
Maintenance Engineer

DR Form 5, Jul 71

printed on recycled paper

GUARD RAIL

Project F-81-1 (1018)

		CABLE PLAN 701				SAFETY BEAM PLAN 704								OTHER							
STATION TO STATION	LT. OR RT.	PAY LENGTH	TERMINAL ANCHORAGE SECTION	INTERMEDIATE ANCHORAGE SECTION	DRIVEWAY ANCHOR	PAY LENGTH	BREAKAWAY TERMINAL SECTION	END ANCHORAGE SECTION	SPECIAL POSTS TYPE ""	BRIDGE APPROACH SECTION TYPE "A"	BRIDGE APPROACH SECTION TYPE "B"	BRIDGE APPROACH SECTION TYPE "C"		REMOVING & RESETTING G.R.			SAFETY BEAM G.R., TYPE "A"	SAFETY BEAM G.R., TYPE "C"	GUARD RAIL ADAPTER		
360 + 20.5/360 + 80.5	LT	80	1	-	-																
360 + 80.5 to 361.105		30				30	1		25		1										
361 + 10.5 to 362. + 00														89.5							
		(If this information is in your field book, then do not fill this out.)																			
TOTAL		L.F. M	EA.	EA.	EA.	L.F. M	EA.	EA.	EA.	EA.	EA.	EA.		L.F. M			L.F. M	L.F. M	EA.		

PREPARED BY: Construction Technician | DATE: 7-15-96 | CHECKED BY: PM | DATE: 7-16-96

DR Form 195, Aug 79

THIS FORM REPLACES DR FORM 195, FEB 72, PREVIOUS EDITIONS WILL BE DESTROYED.

STATE OF NEBRASKA
DEPARTMENT OF ROADS

REPORT OF SHIPMENT OF PRECAST CONCRETE ROW MARKERS FROM APPROVED STOCK

(1) This form is filled out & submitted by the supplier.

Manufactured by Cement Specialty Products Inc At Omaha

Date Shipped 7-15-96 Project No. F-81-1(1031)

Location Hebron North and South

Contractor Cyclone Construction Company

QUANTITY SHIPPED	INSPECTORS IDENTIFICATION MARK
52	BC-96-0001 to BC-96-1052

The above markers were shipped from approved stock and substantially conformed to the applicable Standard Plans.

The markers may be used when received on the project providing that a field inspection shows that they carry the proper identification and have not been damaged by handling and shipping.

Copies to:
Engineer of Mat'ls & Tests

Div. Engr. Cosntruction Engineer

Proj. Engr. (PM)

Signed (Supplier)

Title Phone

Address

DR Form 247, May 73 3220

(This form is filled out and submitted by the supplier)

STATE OF NEBRASKA
DEPARTMENT OF ROADS

REPORT OF SHIPMENT OF W-Beam GUARD RAIL AND/OR FITTINGS

Date Shipped 7-15-96 Project F-81-1(1081)

Supplier U.S. Steel At Pittsburgh, PA

Contractor Cyclone Construction Company

QUANTITY	DESCRIPTION	TAKEN FROM SHIPMENT REPRESENTED BY			
		STOCK REPORT NO.	CERTIFICATION FURNISHED	JOBBER'S ORDER NO.	MFG'S ORDER NO.
10	10 m "W" beam sections	21	yes	001-96	PP0710

This form to be filled out by supplier and mailed to the: **Materials & Tests Division**
Box 94759
Lincoln, Nebr. 68509

The guard rail and/or fittings listed were shipped from a tested and approved stock or are covered by a certification as indicated.

Signed _____
Supplier

DR Form 284, Aug 73 2800

MATERIALS FORMS

Nebraska Department of Roads

SAMPLE IDENTIFICATION FORM

Name of Material: Concrete Pavement Class 47 BD 30

County: Douglas — Project Number: F-6-7(1030)

Date Sampled: 7-15-96 — Control Number: 175-001

Sample taken from: Sta 360 + 20.5 @ 1.1 m Lt Center — Name of Road: US 6

Material for use in *(type of work or kind of structure)*: 14" Pavement

Location to be used *(Station or other information)*: Sta 360 + 20.5 @ 1.1 m Lt Center

Sampled by: Construction Tech — Title: — Address: District Office

Report to be sent to: — Title: — Address: M @ T Lab Lincoln

Contractor *(Prime)*: Cyclone Construction Co. — Contractor No.: — Address:

AGGREGATE-SOIL-FILLER — ROAD GRAVEL

Field Identification No.	NA			
Location *(Hole No., etc.)*				
Depth of Sample				
Depth of Overburden				
Thickness of Stratum				

Type or Class

Pit Location ¼ Sec. , T- , R-

Kind of Pit *(Dry or Wet)* Quantity, Cu. Yd.

Owner of Pit

Produced By

ASPHALT AND ASPHALTIC OIL

Field Identification No.	NA			
Type				
Ticket No.				
Lot No.				
Quantity, Gal.				
Manufactured By				
Location of Refinery				
Specific Gravity				

BITUMINOUS AGGREGATE — ASPHALTIC CONCRETE

Field Identification No.	NA	
Sampled from Sta.		
Lift, Lane, Dist. from Edge		
Stations Rep: From		
To		
Asph. Oil, Gal./Sta. *(Bit. Agg.)*		
Agg., Tons/Sta. *(Bit. Agg.)*		
Type of Asph. Conc.		
Job Mix No. *(Asph. Conc.)*		
Asph. % *(Asph. Conc.)*		
Type Asph. or Asph. Oil		
Mfr. Asph. or Asph. Oil		
Specific Gravity		

OTHER INFORMATION

CONCRETE CYLINDERS (6×12)

Field Identification No. D2-002-175

Class of Concrete 47 BD Class 47 BD 30

Water/Cement Ratio .45

Air Voids, Percent 5

Slump, ~~inches~~ 20 mm

Quantity, Cu.Yd. 100

Method of Curing Structure or Pavement Spray Curing Compound

Method of Curing Cylinders Spray Curing Compound

Days Cured in Field 10

Brand and Class of Fly Ash NA

Location of Power Plant

Brand and Type of Cement Ashgrade

Location of Mill Louisville, NE

Air Entraining Agent None

Admixture Name None

Source of S.G. or Fine Aggregate Johnson Pits

Pit Location Weeping Water, NE

Source of Coarse Aggregate Johnson Pits

Pit Location Weeping Water, NE

CEMENT — FLY ASH

Field Identification No.	NA	
Brand		
Type *		
Mill Location		
Ready Mix Plant		
Quantity, Tons		
Place of Storage		
Length of Storage		

* *Type I, Type II, Type III, Type I-II*

OTHER MATERIALS

Field Identification No. NA

Kind of Material

Brand

Quantity Represented

Size and Weight Specified

To Comply with Spec. No.

Manufactured By

Jobber

TO BE FILLED IN AT LABORATORY

Date received at Laboratory:

Laboratory Identification:

Submitted by:

Title:

Address:

DR Form 12, Nov 91

THIS FORM REPLACES DR FORM 12, OCT 74, PREVIOUS EDITIONS WILL BE USED.

Printed on recycled paper

LETTER OF CERTIFICATION BY PROJECT MANAGER

MATERIALS & TESTS DIVISION
NEBRASKA DEPARTMENT OF ROADS
P.O. BOX 94759
LINCOLN. NEBRASKA 68509-4759

Date: 7-15-96

Project No.: 7-6-7 (1030)

Location: US Highway 6 @ 150th St Omaha

Contractor: Cyclone Construction Co

THIS IS TO CERTIFY THAT:

(1) All of the items listed below have been declared to be "Small Quantities of Non-critical Materials" as defined in the "Materials Sampling Guide". The basis for waiving the State's normal, established sampling and testing policies and procedures is one of the following:

(a) Accepted on the basis of visual examination and knowledge that these sources have recently furnished similar material which was found to be satisfactory under the State's normal sampling and testing procedures.

(b) Accepted on the basis of notarized Certifications by the producers or suppliers stating that the material complies with the specification requirements.

(2) Documentation of acceptance of material classified as either (a) or (b) above, consisting of a daily inspector's report with a statement as to the basis of acceptance of the material and the approximate quantity of material covered by the acceptance and/or the producer or supplier's notarized certification, is available for inspection in the project files.

DATE	NAME OF MATERIAL	PRODUCER OR SUPPLIER	GROUP	APPROXIMATE QUANTITY
7-15-96	Asphaltic Concrete	Cyclone Construction Co	9	300 Kg

To the best of my knowledge, all other materials which were incorporated into the work on this contract, were sampled and tested in the normal manner.

Very truly yours,

DEPARTMENT OF ROADS

Project Manager

Original to Materials and Tests Division
upon completion of contract.

DR Form 181, Feb 73 **2850**

TEST STATUS REPORT
MATERIALS & TESTS DIVISION

@

To	**John Plow (Project Manager)**	Project No.	**F-81-1(1018)**
		Location	**I-80**
Date	**April 2, 1996 – Second Notice** **February 13, 1996 – First Notice**	Contractor	**Cyclone Construction**

The following summary shows the status of test data in the files on this date for the above project. Possibly some of the missing tests have been completed but not yet reported. Some of the test data may have been lost, or the materials may be represented by tests on other state work. Would you please review your files and send us copies of the missing reports, or advise us of any pertinent information which you might have regarding these tests.

Need reports for the following items:

fasteners & reflectors for Type 1 delineators

5' chain link fence – 200 lineal feet
posts
std steel pipe
fittings & hardware
tie wire

pull box type PB-5 – 20 required

traffic signals, Types:

TS-1 – 30 required

TS-1LL – 4 required

TS-1A – 4 required

pedestrian signal, type PS-1 – 16 required

pedestrian push button, PPB – 4 required

power installed foundations

luminaires types:

UD-200 – 4 required

HPS – 20 required

Conduits types:

2" PVC

3" PVC

2" PVC augered

2" on bridge

1) Rhonda Hergenrader, Materials & Tests Division, sends this form out

2) First Notice to Project Manager is E-Mailed thru Office Vision

cc: District Engineer
District Construction Engineer

DR Form 274, Jan 82 THIS FORM REPLACES DR FORM 274, AUG 73, PREVIOUS EDITIONS WILL BE USED.